

Device for detecting a body falling into a swimming pool

Abstract

5 Device to deliver an alarm signal upon detection of a gravitational wave generated by a body falling into a swimming pool, using a differential detector that includes comparison means (20) for comparing the sensitivity threshold value to the value of the electrical signal received, and to deliver an alarm signal when the received electrical signal exceeds
10 the sensitivity threshold value. The electrical signal resulting from the detected waves is delivered to a comparator (44) allows a programmed microprocessor (38) to deliver variable-width pulses (S3) to the input of the comparator so as to reduce the sensitivity of the device when the device detects an atmospheric disturbance. The microprocessor triggers
15 the alarm when the width of the output pulses (S4) from the comparator is larger than a predetermined critical reference and when the frequency F of said analogue electrical signal lies between two predetermined values F1 and F2.

20 Figure 2